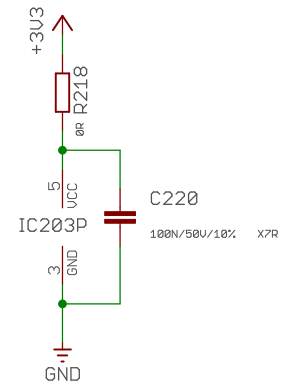
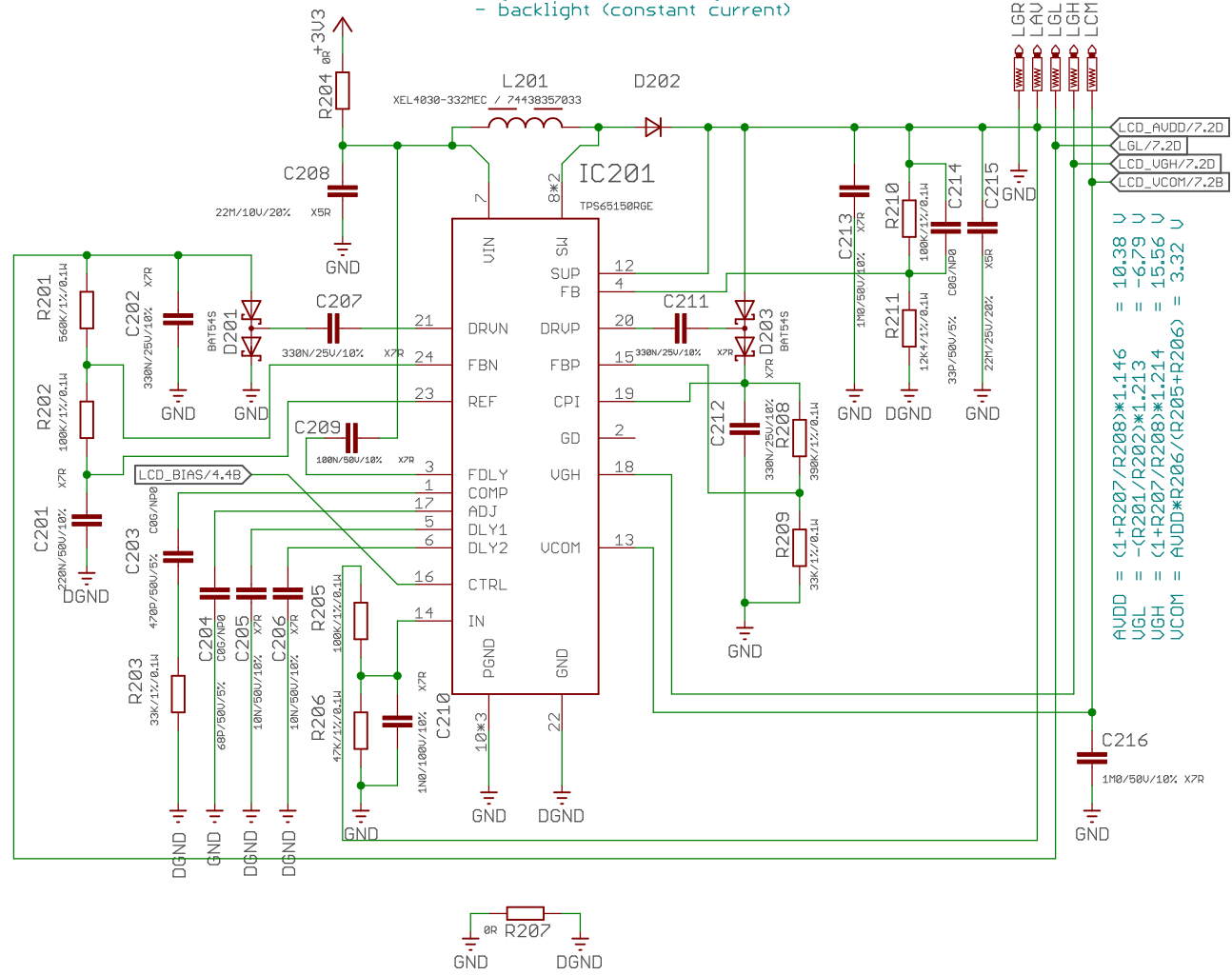


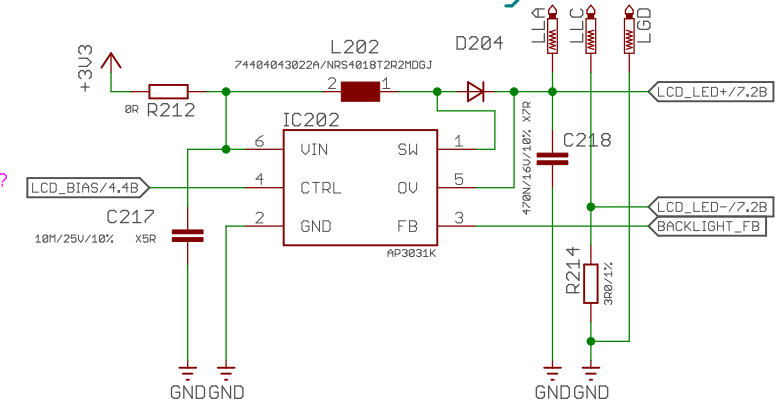
LCD supply

LCD bias

- Voltage supply for:
 - analog
 - TFT (negative+positive)
 - gamma (common voltage)
 - backlight (constant current)

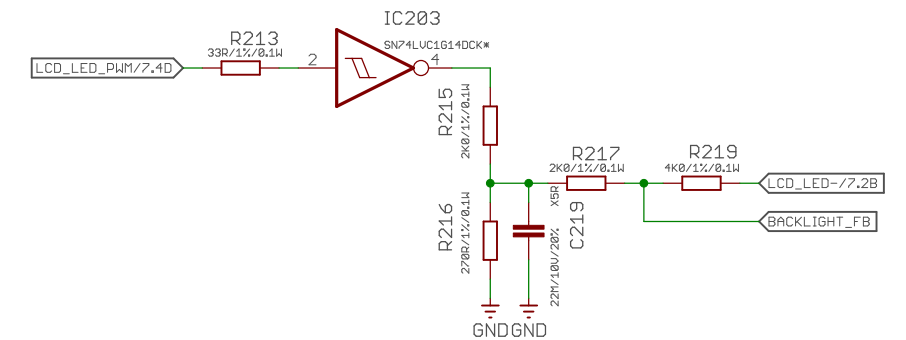
$$\begin{array}{r} +10.4 \\ -7.0 \\ +16.0 \\ +3.3 \end{array}$$


LCD backlight



$$R_{\text{sense}} = 2 \times 200 \text{ mV} / I_{\text{LED}} = 133.33 \text{ m}\Omega$$

True constant current regulation:
- 200 mV reference changed to 400 mV



Designed by:
Ing. Marvin Gjepali

BOM number:	163017 50 1000
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Drawing number:	163017 70 1000
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LCD 7inch
14.11.2022 8:36

Sheet: 2/8

REV 4

